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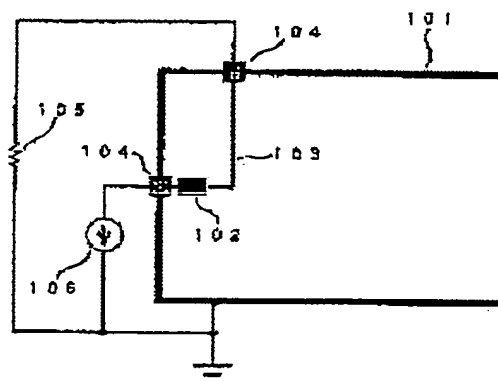
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## (54) ELECTRON EMITTING SOURCE AND MANUFACTURE THEREOF

### (57)Abstract:

PROBLEM TO BE SOLVED: To provide an easy manufacturing method of an electron emitting source.

SOLUTION: A negative electrode 102 is locally heated by carrying an arc electric current of DC 100 A and arc-discharging for a second in a chamber 101 of an He atmosphere under a pressure of 1 Pa. Negative electrode material for forming the negative electrode 102 is scattered and particles with a lot of carbon nanotubes formed on the surface are generated. The particles are collected and used as an emitter of the electron emitting source.



## LEGAL STATUS

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